

Date: Sun, 31 Oct 93 04:30:18 PST
From: Ham-Equip Mailing List and Newsgroup <ham-equip@ucsd.edu>
Errors-To: Ham-Equip-Errors@UCSD.Edu
Reply-To: Ham-Equip@UCSD.Edu
Precedence: Bulk
Subject: Ham-Equip Digest V93 #89
To: Ham-Equip

Ham-Equip Digest Sun, 31 Oct 93 Volume 93 : Issue 89

Today's Topics:

Alinco DJ-580T or Yaesu FT-530??
 Building a Tuner?
 Kenwood 2500 HT repairable?
 Kenwood TH78 problems?
 Old 2M Handheld for sale
Problems with Kenwood TM-742A (2 msgs)
 Tempo One HF - Output Question
 The old ICOM BC-35 chargers...
TM-732 "protective shutdown" mode? (2 msgs)
 Yaesu items for FT-757GX wanted!

Send Replies or notes for publication to: <Ham-Equip@UCSD.Edu>
Send subscription requests to: <Ham-Equip-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Equip Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-equip".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Tue, 26 Oct 93 13:40:27 CDT
From: mustang.mst6.lanl.gov!nntp-server.caltech.edu!elroy.jpl.nasa.gov!sdd.hp.com!
math.ohio-state.edu!howland.reston.ans.net!news.moneng.mei.com!uwm.edu!caen!
kuhub.cc.ukans.edu!nntp.ucsb.edu
Subject: Alinco DJ-580T or Yaesu FT-530??
To: ham-equip@ucsd.edu

I'm very interested in these two rigs and am going to be buying one
of these in the next few weeks. Any comments or biases towards any
of these would be greatly appreciated. Right now I'm leaning
more towards the Alinco, but if you have any reasons for me not to
please feel free to persuade me :)

Thanks,

Date: 29 Oct 93 10:22:02
From: news.mentorg.com!hpcan240.mentorg.com!hpcan240!c2k@uunet.uu.net
Subject: Kenwood 2500 HT repairable?
To: ham-equip@ucsd.edu

In article <1993Oct28.133025.17536@merlin.dev.cdx.mot.com>
davidk@merlin.dev.cdx.mot.com (David Kirkpatrick) writes:

Newsgroups: rec.radio.amateur.equipment
Path: hpcan240.mentorg.com!news.mentorg.com!psinnntp!psinnntp!news.columbia.edu!
sol.ctr.columbia.edu!howland.reston.ans.net!usc!cs.utexas.edu!uunet!mdisea!
mothost!merlin.dev.cdx.mot.com!davidk
From: davidk@merlin.dev.cdx.mot.com (David Kirkpatrick)
Subject: Kenwood 2500 HT repairable?
Message-ID: <1993Oct28.133025.17536@merlin.dev.cdx.mot.com>
Originator: davidk@brigadier.dev.cdx.mot.com
Sender: news@merlin.dev.cdx.mot.com (Merlin News System)
Nntp-Posting-Host: brigadier.dev.cdx.mot.com
Organization: Motorola Codex, Canton, MA
Date: Thu, 28 Oct 1993 13:30:25 GMT
Lines: 7

I dropped my HT on the ON-OFF/volume control knob.
The knob is now loose and the HT will not turn on without
being forced to the side. One on everything seems to work.
The question is - how difficult is going into this HT?
Are there spring loaded items which when I open it will
pop which are impossible to put back??

The only thing I found to be careful with is that you don't allow the
keys in the keyboard to fall out -- they are a pain to figure out which
went where :-)

Seriously though, these units, while compact, are not difficult to
dis/re-assemble.

Cheers,
Carl

--

My opinions are mine, (all mine), and do not necessarily reflect
those of my employer.

Carl Ketcham carl_ketcham@mentorg.com WA7ZBV
Mentor Graphics, Suite 300, 5295 South 300 West, Murray, Utah 84107

Date: Thu, 28 Oct 93 17:08:32 EST
From: noc.near.net!news.delphi.com!usenet@uunet.uu.net
Subject: Kenwood TH78 problems?
To: ham-equip@ucsd.edu

I got my Kenwood TH78A about 2 months ago and really like it. I'm new at thiham stuff and therefore don't have any experience with any other models. I have had no problems with this unit at all. Intermod is pretty bad in some areas of the city, though. Those with other models have the same kind of interference, too, although they say the Radio Shack 2m radio is better than any of the dual-banders. I am really happy to have the radio and wish you the best with whatever you get. Oh yeah, you asked about the knobs... I have seen no problems there. They seem to be holding up just fine and I am always fiddling with them.
73, Bill N2W0Z

Date: Thu, 28 Oct 1993 20:08:57 GMT
From: rd1.InterLan.COM!sun1.interlan.com!tavernin@uunet.uu.net
Subject: Old 2M Handheld for sale
To: ham-equip@ucsd.edu

I have an old Hy-Gain 2 Meter Handheld radio for sale ... you know the kind ... the one that uses those dreaded crystals :-)

Anyway, it's a six channel unit ... but I only have one pair of crystals for it (146.52 simplex). Uses 8 AA's but has a 12V in jack as well as an earphone jack. Some enterprising amateur could easily get into this box and make it into a cheap packet xcvr.

Works fine ... I just got back from our lab where a fellow coworker tested it with his handheld.

Also can be used as a club in case of emergency :-) Dimensions are 8.5"x3"x1.75" (HWD).

Best offer takes it!

Victor Tavernini (formerly KA4DCI, soon to be something else :-)
Racal-Datacom, Inc.

tavernin@sun1.interlan.com

Date: Fri, 29 Oct 1993 16:20:14 GMT
From: nntp.ucsb.edu!mustang.mst6.lanl.gov!nntp-server.caltech.edu!
elroy.jpl.nasa.gov!usc!howland.reston.ans.net!vixen.cso.uiuc.edu!
newsrelay.iastate.edu!news.iastate.edu!jdwhite@network.ucsd.edu
Subject: Problems with Kenwood TM-742A
To: ham-equip@ucsd.edu

I purchased a Kenwood TM-742A a couple weeks ago. I have noticed some quirks with the unit and would like to hear from other 742A owners about their experiences with this rig. Here are my experiences:

==> Initially, I had the 6M band unit installed as the third band. After the first 3 hours of use, I went into DTSS mode on the 440 band. The unit froze up and appeared to turn itself off. I pushed the power button, went into the 440 band, and pushed DTSS again; same thing happened. I had no problems getting this to work on the 2M band. After repeating this 7-10 times the unit finally got into a mode where it would turn on (show "-on-" on the display) and then turn back off rather than display the three bands. I took the unit back to the store that I purchased it from and swapped it for a new radio. I installed the same 6M band unit and had the same problems. After removing the 6M unit DTSS worked fine on both bands, so I'm returning the 6M unit to Kenwood.

==> I'm usually scanning on both bands when mobile. I have noticed that the unit will beep and stop scanning on the 2M side, seemingly at random. Even if I have set the control mode to the 440 side, the 2M side is always the side that will stop scanning. Most puzzling.

==> I have had problems with certain squelch modes. I started by using the "default" squelch mode (not Microprocessor or S-Meter control) and had problems with the squelch suddenly breaking. I would end up turning the squelch all the way up, yet the squelch would still be broken! *BUT* if I turned the radio off and then back on I would have to turn the squelch all the way back down to its previous position to find the threshold. I have experienced this problem several times. I started using S-meter squelch and have had no problems. Yesterday, I enabled Microprocessor squelch control. I found that I had to keep resetting the squelch control a lot so far. I'll probably go back to S-meter squelch eventually.

Those are the major gripes (so far). Anyone know of a mod to speed up the scan rate? 2 ch/sec is too darn slow!

-Jason, NORWU

--

Jason D. White
jdwhite@iastate.edu
Iowa State University
Ames, Iowa

Durham Center Operations Staff
Repeater Chairman, Cyclone Amateur Radio Club
Packet: n0rww @ ki0q.ia.usa.na

Date: 29 Oct 1993 17:01:30 GMT
From: pa.dec.com!nntpd.lkg.dec.com!smaug.enet.dec.com!legerlotz@decwrl.dec.com
Subject: Problems with Kenwood TM-742A
To: ham-equip@ucsd.edu

I have been thinking about purchasing a TM-742, the optional CTCSS decode unit, and installing the 6M brick.

I'm a little hesitant at this point because of the problems you're having.

Please post (or mail to me) any information you get from Kenwood about these problems.

If these "problems" turn out to be "restrictions" I won't be happy with paying the \$1100+ for them...

73
n1ihu

These comments are my own and do not necessarily reflect the opinions of Digital Equipment Corporation.

Date: 30 Oct 93 17:36:50 GMT
From: ogicse!uwm.edu!spool.mu.edu!torn!newshost.uwo.ca!dialin2.business.uwo.ca!
CHARLES@network.ucsd.edu
Subject: Tempo One HF - Output Question
To: ham-equip@ucsd.edu

I have a Tempo One HF transceiver that's in great looking condition but will not transmit. Has anyone heard of common problems with this unit? Source of spare parts?

VE3UCM in London

Date: 29 Oct 93 20:59:40 GMT
From: yeshua.marcam.com!news.kei.com!ub!dsinc!netnews.upenn.edu!mipg.upenn.edu!
yee@uunet.uu.net
Subject: The old ICOM BC-35 chargers...
To: ham-equip@ucsd.edu

I am trying to find out how the old BC-35 ICOM rapid desk chargers (for the large old style batteries) charges the batteries. It it constant current until shutoff? Is it pulsed? How does it decide when to stop?

Ultimately, I would like to know how hard on the batteries the charger is. If it is in general bad for nicads, I would like to know of plans for smart chargers so that I can retrofit the charger with new electronics.

I have already tried to make the rapid charging a switch operated option but I have a bug in my revised circuit diagram.

--
411 Blockley Hall | Conway Yee, N2JWQ
418 Service Drive | yee@mipg.upenn.edu
Philadelphia, PA 19104 |
(215) 662-6780 | "Specialization is for insects." -- Lazarus Long

Date: 30 Oct 93 18:36:47 GMT
From: world!news.mtholyoke.edu!nic.umass.edu!risky.ecs.umass.edu!umaecs!
gskibisk@uunet.uu.net
Subject: TM-732 "protective shutdown" mode?
To: ham-equip@ucsd.edu

.
Does anyone know the mic plug wiring scheme for the Kenwood TM-732A? It uses that modular Kenwood plug. I am trying to hook it up to an autopatch. I have the cable but I don't want to play with it because the first time I did that it went into this "protective" mode. Now, I am an electrical engineer so I was careful, but has anyone experienced this:

The radio will not transmit at all, on either band, although it indicates that it is transmitting on the display. It will not make a sound. There is no audio out- not even a beep. It will not register incoming signals at all. Other than that, the display and functions work perfectly.

Obviously, due to my poking, it has gone into some kind of protective mode- maybe I've blown an internal fuse?

I tried all resets and the usual. I know how to op. the radio so I'm not missing something. Obviously, this is not a problem where I've broken something major as it is only 2 days old- it is in some mode and I can't get it out.

Has this happened to anyone? Does anyone have any ideas about this type of "partial involuntary shutdown?"

Insight would be appreciated!!!

Greg N1NJW

Date: Sun, 31 Oct 1993 07:09:42 GMT
From: library.ucla.edu!europa.eng.gtefsd.com!howland.reston.ans.net!torn!nott!cunews!freenet.carleton.ca!Freenet.carleton.ca!aj467@network.ucsd.edu
Subject: TM-732 "protective shutdown" mode?
To: ham-equip@ucsd.edu

In a previous article, gskibisk@ecs.umass.edu () says:

>.
> Does anyone know the mic plug wiring scheme for the Kenwood
>TM-732A? It uses that modular Kenwood plug. I am trying to hook it up to
>an autopatch. I have the cable but I don't want to play with it because
>the first time I did that it went into this "protective" mode. Now, I am
>an electrical engineer so I was careful, but has anyone experienced this:
>
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>it indicates that it is transmitting on the display. It will not make
>a sound. There is no audio out- not even a beep. It will not register
>incoming signals at all. Other than that, the display and functions
>work perfectly.
>
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>of protective mode- maybe I've blown an internal fuse?
>
> I tried all resets and the usual. I know how to op. the
>radio so I'm not missing something. Obviously, this is not a problem
>where I've broken something major as it is only 2 days old- it is in
>some mode and I can't get it out.
>
> Has this happened to anyone? Does anyone have any ideas about
>this type of "partial involuntary shutdown?"
>
> Insight would be appreciated!!!

>

Well ther may be a small problem ... the Kenwood mikes have the capability to lock or unlock. There also may be a repeater mode in the radio in which case, the microphone capabilities are bipassed. Check the manual.

--

Bill VE3NJW, VE3NJW@VE3KYT.#EON.ON.CAN

Date: Fri, 29 Oct 93 09:19:59 EDT
From: sdd.hp.com!cs.utexas.edu!usc!yeshua.marcam.com!news.kei.com!das.wang.com!
wang!tosspot!lee@network.ucsd.edu
Subject: Yaesu items for FT-757GX wanted!
To: ham-equip@ucsd.edu

Wanted:

Yaesu SP-102 or SP-102P speaker.

Yaesu FP-757HD power supply.

Am looking for these items for my FT-757GX.

Thanks,

Lee (lee@tosspot.sv.com)
(603)863-7711 h
(603)448-5193 x537 w

Date: Fri, 29 Oct 1993 17:45:44 GMT
From: nntp.ucsb.edu!mustang.mst6.lanl.gov!nntp-server.caltech.edu!
elroy.jpl.nasa.gov!usc!howland.reston.ans.net!usenet.ins.cwru.edu!ukma!
rsg1.er.usgs.gov!dgg.cr.usgs.gov!bodoh@network.ucsd.
To: ham-equip@ucsd.edu

References <2ababg\$nqt@triton.unm.edu>, <2akgv7\$84u@vulpes.pwd.nsw.gov.au>,
<haber-271093161943@fp5.camb.inmet.com>wland.re
Subject : Re: Alinco DJ580T intermod.

In article <haber-271093161943@fp5.camb.inmet.com>, haber (Steve) writes:
|> In article <2akgv7\$84u@vulpes.pwd.nsw.gov.au>, paulr@pwd.nsw.gov.au (Paul
|> Rodenhuis) wrote:
|> >
|> > In article <2ababg\$nqt@triton.unm.edu>, Larry West <llwest@unm.edu> wrote:

|> > >
|> > >I remember a long thread in this group a couple of months ago about the
|> > >intermod problem on the DJ580. I am sorry to take up any bandwidth, but at
|>
|> > As I am new to the net, I also missed the previous discussion, so would
|> > appreciate hearing of any fixes, cures etc.
|> >
|> I too would appreciate learning of fixes or cures for those of us who
|> already
|> have one with intermod problems.
|>

Apparently Alinco made production changes on units shipped after about April of this year. I bought mine in June and had no intermod problems until earlier this week. I was in downtown Atlanta and experienced some slight intermod problems but not nearly as bad as owners of the earlier radios described. The 'fix' can be done by Alinco - they have not given out any specific info on it. One person got back a note that said that they replaced R419 and R472 and performed a 'general check'. I suspect that if yours is still in warantee that they'll do it for free. They may even do it for free ouside of warantee...

With current technology it is difficult to make an HT which is compact, cheap and intermod free. I have heard that the Standard 558 is as intermod free as possible given the cost, size and technology constraints - and they are a little pricey. I suspect that if users would tolerate radios slightly larger or more expensive, then the manufacturers could seriously attack the problem...

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```
+++++
+ Tom Bodoh - Sr. systems software engineer, Hughes STX, N0YGT          +
+ USGS/EROS Data Center, Sioux Falls, SD, USA 57198      (605) 594-6830  +
+ Internet; bodoh@dgg.cr.usgs.gov (152.61.192.66)        +
+ "Welcome back my friends to the show that never ends!" EL&P      +
+++++
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End of Ham-Equip Digest V93 #89

